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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/619,723	07/15/2003	Bobby Gene Ward		7125
7590 04/21/2004 .			EXAMINER	
Joseph A. Tessari, Esquire			LEON, EDWIN A	
Tyco Technology Resources			ARTIBUT	DARED MARIE
Suite 140			ART UNIT	PAPER NUMBER
4550 New Linden Hill Road			2833	
Wilmington, DE 19808-2952			DATE MAILED: 04/21/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)		
	10/619,723	WARD ET AL.	WARD ET AL.	
Office Action Summary	Examiner	Art Unit /		
	Edwin A. León	2833	bu.	
The MAILING DATE of this communication appreciation appropriate the second section is a second se	pears on the cover sheet w	vith the correspondence add	dress	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a sy within the statutory minimum of the will apply and will expire SIX (6) MC a cause the application to become a	a reply be timely filed hirty (30) days will be considered timely DNTHS from the mailing date of this co ABANDONED (35 U.S.C. § 133).	mmunication.	
Status				
1) Responsive to communication(s) filed on				
,	s action is non-final.	ttare areas entire as to the	morito io	
3) Since this application is in condition for allowal closed in accordance with the practice under the			ments is	
Closed in accordance with the practice under a	_x parte dadyte, 1000 o.	5. 11, 400 0.0. 210.		
Disposition of Claims				
4) ☐ Claim(s) 1-13 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1,5,6,10 and 12 is/are rejected. 7) ☐ Claim(s) 2-4,7-9,11 and 13 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.			
Application Papers				
9)☐ The specification is objected to by the Examin				
10) ☐ The drawing(s) filed on is/are: a) ☐ acc				
Applicant may not request that any objection to the			ED 1 121/d\	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E				
, and the second				
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	n priority under 35 U.S.C	. § 119(a)-(d) or (t).		
1. Certified copies of the priority documen	ts have been received.		-	
2. Certified copies of the priority documen		Application No		
3. Copies of the certified copies of the price			Stage	
application from the International Burea	•			
* See the attached detailed Office action for a lis	t of the certified copies no	ot received.		
Attachment(s)				
1) Notice of References Cited (PTO-892)		v Summary (PTO-413)		
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 112003 	_ :	o(s)/Mail Date If Informal Patent Application (PTC	O-152)	

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DETAILED ACTION

Claim Objections

1. Claim 9 is objected as being in improper form because it depends on itself.

Accordingly, the claim has not been further treated on the merits.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in-
- (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or
- (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).
- 3. Claims 1, 5-6, 10 and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Taguchi et al. (U.S. Patent No. 6,383,020). With regard to Claim 1, Taguchi et al. discloses an apparatus for connecting electrical components comprising; a plug means (2) having a generally box-like configuration; a plug terminal position assurance means (7) having a generally box-like configuration, the plug terminal position assurance means (7) being structured to fit at least partially within the plug

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means (2); a cap means (5) having a generally box-like configuration; a cap terminal position assurance means (6) having a generally box-like configuration, the cap terminal position assurance means (6) being structured to fit at least partially within the cap means (5); wherein, when the plug means (2) is mated to the cap means (5), the plug means (2), the cap means (5), the plug terminal position assurance means (7) and the cap terminal position assurance means (6) interlock to form a box-in-box-in-box construction. See Figs. 1-8.

With regard to Claim 5, Taguchi et al. discloses the plug terminal position assurance means (7) comprising cutaways (34, end part of 19), which mate with at least one corresponding key (35) and at least one corresponding rail (26) on the cap means (5). See Figs. 1-8.

With regard to Claim 6, Taguchi et al. discloses each of the plug means (2) and cap means (5) comprising at least one cavity (8, 28) adapted to receive and retain therein an electrical terminal (Column 3, Lines 59-67 and Column 4, Lines 32-40). See Figs. 1-8.

With regard to Claim 10, Taguchi et al. discloses the plug means (2) further comprising a detent (72), which cooperates with a slot (59) on the plug terminal position assurance means (7) to retain the plug terminal position assurance means (7) in position. See Figs. 1-8.

With regard to Claim 12, Taguchi et al. discloses the cap means (5) further comprising a detent (35), which cooperates with a slot (34) on the cap terminal position

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assurance means (6) to retain the cap terminal position assurance means (6) in position. See Figs. 1-8.

Allowable Subject Matter

4. Claims 2-4, 7-8, 11 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The references fail to teach, disclose, or suggest, either alone or in combination the cap terminal position assurance means comprising cutaways that mate with at least one corresponding key and at least one corresponding rail on the cap means and each cavity comprising a deflectable locking finger and a rib which cooperate to retain the electrical terminal in the cavity, the detent comprising a two-stage detent and in combination with the rest of the limitations of the base and intermediate claims.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ward et al. (U.S. Patent No. 6,183,299), Berg et al. (U.S. Patent No. 5,928,038), Wolla et al. (U.S. Patent No. 5,964,621) and Marpoe, jr. et al. (U.S. Patent No. 6,514,098) disclose apparatuses having plug and cap means, box-like configurations and terminal positions assurance means.

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6.— Any-inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (571) 272-2008. The examiner can normally be reached on Monday - Friday 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 571-272-2800, extension 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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EAL April 16, 2004